ELSEVIER

Computer Physics Communications 100 (1997) 322–323

Computer Physics Communications

Contents to volume 100

Computational physics

Frühwirth, R.
Track fitting with non-Gaussian noise 1

Bajpai, R.P. and S.N. Rai
Behavior of two, three and four site states self-interacting neural networks 17

Tennyson, J.
Phase factors in electron–molecule collision calculations 26

Thomas, Jr., E., G.E. Sasser, S.F. Knowlton, J.D. Hanson and R.F. Gandy
A new technique for calculating toroidal harmonic coefficients for curl-free magnetic fields in helical toroidal devices 31

McCoy, R.A. and Y. Deng
Parallel embedded-atom method simulations with delayed electron density approximations 41

Jost, G., T.M. Tran, K. Appert and S. Wüthrich
Effects of electron–cyclotron instabilities on gyrotron beam quality 47

Ixaru, L.Gr., G. Vanden Berghe, H. De Meyer and M. Van Daele
Four-step exponential-fitted methods for nonlinear physical problems 56

Roberts, A.J.
Low-dimensional modelling of dynamics via computer algebra 215

del Aguila, F., J.A. Aguilar-Saavedra and M. Zrałek
Invariant analysis of CP violation 231

Bérces, A., R.M. Dickson, L. Fan, H. Jacobsen, D. Swerhone and T. Ziegler
An implementation of the coupled perturbed Kohn–Sham equations: perturbation due to nuclear displacements 247

Jacobsen, H., A. Bérces, D.P. Swerhone and T. Ziegler
Analytic second derivatives of molecular energies: a density functional implementation 263

Computer programs in physics

Ixaru, L.Gr., H. De Meyer, G. Vanden Berghe and M. Van Daele
EXPFIT4 – a FORTRAN program for the numerical solution of systems of nonlinear second-order initial-value problems 71

Jönsson, P. and C. Froese Fischer
SMS92: a program for relativistic isotope shift calculations 81

Jemmer, P. and P.J. Knowles
Generation of functional derivatives in Kohn–Sham density-functional theory 93

Caffo, M. and H. Czyż
BHAGEN-1PH: a Monte Carlo event generator for radiative Bhabha scattering 99

Hernández, J.J. and S. Navas
JASP: a program to estimate discovery and exclusion limits in prospective studies of searches 119

Fujimoto, J., T. Ishikawa, T. Kaneko, K. Kato, S. Kawabata, Y. Kurihara, T. Munehisa, D. Perret-Gallix, Y. Shimizu and H. Tanaka
grc4f v1.1: a four-fermion event generator for e^+e^- collisions 128

Ayari, M.A. and V. Hussin
GLie: a MAPLE program for Lie supersymmetries of Grassmann-valued differential equations 157

Hartley, D.
EDS: A REDUCE package for exterior differential systems 177

Arneodo, M., L. Lamberti and M. Ryskin
DIPSI: a Monte Carlo generator for elastic vector meson production in charged lepton–proton scattering 195

Popowicz, Z.
S U S Y 2 277

Demetriou, I.C.
CXFTV2: A Fortran subroutine for the discrete least squares convex approximation 297

Häkkinen, J. and H. Kharraziha
Colour: a computer program for QCD colour factor calculations 311

Contents to volume 100 322

Author index to volume 100 324

Program index to volume 100 326